

# CLINICAL EEG and NEUROSCIENCE

## Author and Subject Index Volume 38, 2007

### Index of Authors

- Agirre, Z., 57  
 Altindag, Ebru, 127  
 Alvarez, M. A., 124, 155  
 Amann, Benedikt, 116  
 Arai, Heii, 193  
 Arken, C. L., 62  
 Aubert, E., 124, 155  
 Ávila, Y., 155  
 Baslo, Baris, 127  
 Baykan, Betül, 127  
 Bebek, Nerses, 127  
 Biver, C. J., 35  
 Boatman, D. F., 132  
 Bosch, J., 124  
 Boutros, N. N., 62  
 Bowers, C. W., 132  
 Brunnmeier, Michael, 78  
 Bucci, P., 96  
 Chayasirisobhon, Sirichai, 168  
 Chayasirisobhon, W. V., 168  
 Chen, Wei-Hung, 207  
 Chennamchetty, V. N., 175  
 Chinchilla, M., 124  
 Chistik, Valdimir, 137  
 Chu, Ziang-Li, 49  
 Crayton, J. W., 175  
 Crone, N. E., 132  
 Cuspineda, E., 155  
 Dericiglu, Nese, 203  
 Elger, Christian E., 143  
 Ertaş, Mustafa, 127  
 Eskelinen, Veera, 148  
 Fang, Shih-Chin, 207  
 Fernández-Torre, J. L., 57  
 Flatz, Wilhelm, 89  
 Folkerts, Malte, 74  
 Fried, Itzak, 137  
 Friedman, David, 2  
 Frodl, Thomas, 82  
 Galán, L., 155  
 Galderisi, S., 96  
 García, M., 124, 155  
 Genius, Just, 89  
 Gingis, L., 132  
 Graz, Christian, 89  
 Großheinrich, Nicola, 105  
 Grunwald, Thomas, 1, 143  
 Grunze, Heinz, 116  
 Halari, A., 175  
 Hegel, Ulrich, 25, 74, 78, 82, 89  
 Henkel, Verena, 82  
 Himanen, Sari-Leena, 148  
 Holtschmidt-Taschner, Bettina, 89  
 Hsu, Jung-Lung, 207  
 Ibrahim, Ahmad, 74  
 Inoue, Reiichi, 193  
 Jager, Lorenz, 89  
 Johnson Jr., Ray, 2  
 Juckel, Georg, 74, 78, 82  
 Jung, Ki-Young, 161  
 Kang, Joong-Koo, 161  
 Karamatskos, Evangelos, 89  
 Karatas, Hulya, 203  
 Karch, Susanne, 74, 78, 89  
 Karner, Max, 82  
 Kawamata, Masaru, 193  
 Kile, S. J., 172  
 Kim, J. C., 172  
 Kipervasser, Svetlana, 137  
 Kirino, Eiji, 193  
 Konopka, L. M., 175  
 Korein, J., 124  
 Kramer, Uri, 137  
 Kurthen, Martin, 143  
 Kursun, Oguzhan, 203  
 Kwon, Oh-Young, 161  
 Lee, Il-Keun, 161  
 Leicht, Gregor, 74, 78, 89  
 Leu, Ngoc, 168  
 Llopis, F., 155  
 Lutz, Jürgen, 89  
 Machado, C., 124, 155  
 Machado, Y., 124  
 Machado, Y., 124  
 Manero, J. M., 155  
 Marco De Lucas, E., 57  
 McGuckin, Jeanne S., 168  
 Mergl, Roland, 78, 82  
 Merlotti, E., 96  
 Möller, Hans-Jürgen, 78, 89  
 Mucci, A., 96  
 Mulert, Christoph, 25, 74, 78, 89  
 Müller-Siecheneder, Florian, 82  
 Nagar, Sari, 137  
 Nessler, Doreen, 2  
 Neufeld, Miri Y., 137  
 Niedermeyer, E., 55  
 Norra, Christine, 66, 74  
 North, D., 35  
 Olichney, John M., 8  
 Oterino, A., 57  
 Padberg, Frank, 105  
 Palm, Ulrich, 105  
 Park, Ki-Jong, 161  
 Park, Y., 175  
 Pérez, N., 124  
 Pezer, Nico, 143  
 Pluzycza, A. A., 175  
 Pogarell, O., 25, 61, 74, 78, 82, 105  
 Poprawski, T. J., 175  
 Portela, L., 124, 155  
 Puchades, R., 57  
 Ranganath, Charan, 1  
 Rau, Ann, 105  
 Reiser, Maximilian, 89  
 Rihl, Julian, 82  
 Ritzl, E. K., 132  
 Rodríguez, R., 124  
 Saygi, Serap, 203  
 Schaaff, Nadine, 74  
 Schramm, Johannes, 143  
 Schröter, Andreas, 82  
 Seyal, M., 172  
 Shon, Young-Min, 161  
 Soyka, Michael, 89  
 Stammel, Andreas, 89  
 Taylor, Jason, R., 8  
 Tehrani, Keo, 168  
 Thatcher, R. W., 35  
 Tigges, Peter, 82  
 Tin, Sue New, 168  
 Trimble, Michael, 116  
 Uibu, Toomas, 148  
 Valdés, P., 124  
 Vannucci, Manila, 18, 143  
 Vieta, Eduard, 116  
 Volpe, U., 96  
 Wang, Yin-Hua, 49  
 Wang, Yu-Ping, 49  
 Wohlschlaeger, A., 132  
 Wohlschlaeger, A. M., 132  
 Yum, Myung-Kul, 161

# CLINICAL EEG and NEUROSCIENCE

## Author and Subject Index Volume 38, 2007

### Index of Authors

- Agirre, Z., 57  
 Altindag, Ebru, 127  
 Alvarez, M. A., 124, 155  
 Amann, Benedikt, 116  
 Arai, Heii, 193  
 Arfken, C. L., 62  
 Aubert, E., 124, 155  
 Ávila, Y., 155  
 Baslo, Baris, 127  
 Baykan, Betül, 127  
 Bebek, Nerses, 127  
 Biver, C. J., 35  
 Boatman, D. F., 132  
 Bosch, J., 124  
 Boutros, N. N., 62  
 Bowers, C. W., 132  
 Brunnmeier, Michael, 78  
 Bucci, P., 96  
 Chayasirisobhon, Sirichai, 168  
 Chayasirisobhon, W. V., 168  
 Chen, Wei-Hung, 207  
 Chennamchetty, V. N., 175  
 Chinchilla, M., 124  
 Chistik, Valdimir, 137  
 Chu, Ziang-Li, 49  
 Crayton, J. W., 175  
 Crone, N. E., 132  
 Cuspineda, E., 155  
 Dericiglu, Nese, 203  
 Elger, Christian E., 143  
 Ertaş, Mustafa, 127  
 Eskelinen, Veera, 148  
 Fang, Shih-Chin, 207  
 Fernández-Torre, J. L., 57  
 Flatz, Wilhelm, 89  
 Folkerts, Malte, 74  
 Fried, Itzak, 137  
 Friedman, David, 2  
 Frodl, Thomas, 82  
 Galán, L., 155  
 Galderisi, S., 96  
 García, M., 124, 155  
 Genius, Just, 89  
 Gingis, L., 132  
 Graz, Christian, 89  
 Großheinrich, Nicola, 105  
 Grunwald, Thomas, 1, 143  
 Grunze, Heinz, 116  
 Halaris, A., 175  
 Hegel, Ulrich, 25, 74, 78, 82, 89  
 Henkel, Verena, 82  
 Himanen, Sari-Leena, 148  
 Holtschmidt-Taschner, Bettina, 89  
 Hsu, Jung-Lung, 207  
 Ibrahim, Ahmad, 74  
 Inoue, Reiichi, 193  
 Jager, Lorenz, 89  
 Johnson Jr., Ray, 2  
 Juckel, Georg, 74, 78, 82  
 Jung, Ki-Young, 161  
 Kang, Joong-Koo, 161  
 Karamatskos, Evangelos, 89  
 Karatas, Hulya, 203  
 Karch, Susanne, 74, 78, 89  
 Karner, Max, 82  
 Kawamata, Masaru, 193  
 Kile, S. J., 172  
 Kim, J. C., 172  
 Kipervasser, Svetlana, 137  
 Kirino, Eiji, 193  
 Konopka, L. M., 175  
 Korein, J., 124  
 Kramer, Uri, 137  
 Kurthen, Martin, 143  
 Kursun, Oguzhan, 203  
 Kwon, Oh-Young, 161  
 Lee, Il-Keun, 161  
 Leicht, Gregor, 74, 78, 89  
 Leu, Ngoc, 168  
 Llopis, F., 155  
 Lutz, Jürgen, 89  
 Machado, C., 124, 155  
 Machado, Y., 124  
 Machado, Y., 124  
 Manero, J. M., 155  
 Marco De Lucas, E., 57  
 McGuckin, Jeanne S., 168  
 Mergl, Roland, 78, 82  
 Merlotti, E., 96  
 Möller, Hans-Jürgen, 78, 89  
 Mucci, A., 96  
 Mulert, Christoph, 25, 74, 78, 89  
 Müller-Siecheneder, Florian, 82  
 Nagar, Sari, 137  
 Nessler, Doreen, 2  
 Neufeld, Miri Y., 137  
 Niedermeyer, E., 55  
 Norra, Christine, 66, 74  
 North, D., 35  
 Olichney, John M., 8  
 Oterino, A., 57  
 Padberg, Frank, 105  
 Palm, Ulrich, 105  
 Park, Ki-Jong, 161  
 Park, Y., 175  
 Pérez, N., 124  
 Pezer, Nico, 143  
 Pluzycska, A. A., 175  
 Pogarell, O., 25, 61, 74, 78, 82, 105  
 Poprawski, T. J., 175  
 Portela, L., 124, 155  
 Puchades, R., 57  
 Ranganath, Charan, 1  
 Rau, Ann, 105  
 Reiser, Maximilian, 89  
 Rihl, Julian, 82  
 Ritzl, E. K., 132  
 Rodríguez, R., 124  
 Saygi, Serap, 203  
 Schaaff, Nadine, 74  
 Schramm, Johannes, 143  
 Schröter, Andreas, 82  
 Seyal, M., 172  
 Shon, Young-Min, 161  
 Soyka, Michael, 89  
 Stammel, Andreas, 89  
 Taylor, Jason, R., 8  
 Tehrani, Keo, 168  
 Thatcher, R. W., 35  
 Tigges, Peter, 82  
 Tin, Sue New, 168  
 Trimble, Michael, 116  
 Uibu, Toomas, 148  
 Valdés, P., 124  
 Vannucci, Manila, 18, 143  
 Vieta, Eduard, 116  
 Volpe, U., 96  
 Wang, Yin-Hua, 49  
 Wang, Yu-Ping, 49  
 Wohlschlaeger, A., 132  
 Wohlschlaeger, A. M., 132  
 Yum, Myung-Kul, 161

## Index of Subjects

- Absolute energy** and, QEEG prognostic value in acute stroke, 155-160
- Abstracts**, ECNS/ISNIP joint meeting, Montreal, Canada, September 19-23, 2007, 213-218  
—ASP conference, Canberra, Australia, December 9-11, 2006, 219-232
- Age Factor** and, memory coding and retrieval, 2-7
- Alcohol dependence** and, electrophysiological correlates of response inhibition, 89-95  
—Marchiafava-Bignami disease, 207-212
- Alpha activity** and, spatial-temporal current source correlations, cortical connectivity, 35-48  
—Marchiafava-Bignami disease, 207-212  
—SPECT, cannabis use, no. 3: V-VII  
—stroke, QEEG prognostic value, 155-160
- Alpha-methylpara-tyrosine** and, monoaminergic depletion tests, 66-73
- Alzheimer disease** and, ERP studies of memory, 8-17, 27, 28  
—EEG coherence, 207-212  
—ischemic basis, prophylaxis and treatment, 55-56
- Amnesia** and, ERP studies of memory and language, 8-17
- Anterior cingulate cortex** and, antidepressant medication, theta band, 78-81  
—event-related desynchronization of frontal midline theta rhythm, 193, 199, 200  
—triphasic waves source localization, 161-164
- Anterior horn cell** and, juvenile myoclonic epilepsy, 127-131
- Antidepressants** and, clinical response, 74-77, 78-81  
—hand-motor dysfunction, 82-88  
—mood stability, 119-121  
—See also Drugs, Psychiatry
- Antiepileptic medication** and, mood stability, 116-123  
—seizures, Creutzfeldt-Jacob disease, 203-206  
—See also Drugs, Seizures
- Anxiety** and, alcoholism, electrophysiological correlates of response inhibition, 89-95  
—frontal midline theta, 200
- Asymmetry, EEG**, and, intra-hemispheric cortical connectivity, 35-48
- Attention deficit disorder (ADD/ADHD)** and, frontal midline theta, 200  
—psychiatric tests, 64
- Axon counting**, and, juvenile myoclonic epilepsy, 127-131
- Behavioral inhibition** and, anxiety, alcoholism, electrophysiological correlation, 89-95  
—human face perception, 49-54  
—See also Psychiatry
- Beta activity** and, spatial-temporal current source correlations, cortical connectivity, 35-48  
—stroke, 155-160  
—tryptophan depletion, 67
- Bipolar disorder** and, antidepressive drugs, mood stability, 116-123  
—See also Depression
- Book Reviews**, vol. 2: V, Retinal Development  
—vol. 3: VIII, QEEG Databases for Neurotherapy
- Cannabis** and, alpha activity, no. 3: V-VII
- Carbamazepine** and, mood stability, 116-123  
—depression, violence, seizures, 175-179
- Cerebellar dysfunction** and, Creutzfeldt-Jacob disease, 203-206
- Cerebral blood flow** and, Alzheimer disease, 55-56  
—Cannabis use, vol. 3: V-VII
- Cerebrovascular disease** and, QEEG prognostic value in stroke, 155-160  
—See also Vascular disorder
- Citalopram** and, depression, medication response, 78-81  
—hand-motor dysfunction in depression, 82-88
- Clonazepam** and, NCSE stupor and intraventricular hemorrhage, 57
- Cognitive function** and, memory, 1-34, 193-202  
—Marchiafava-Bignami disease, 207-212  
—neuropsychiatric disorders, 61-123  
—See also Alzheimer disease, Dementia, ERP
- Coherence EEG** and, schizophrenia, 96-104  
—Marchiafava-Bignami disease, 207-212  
—spatial-temporal current source correlation, cortical connectivity, 35-48
- Complex partial seizures** and, new-onset, P300, 168-171  
—post surgical EEG prognostic significance, 137-142  
—status, paraneoplastic limbic encephalitis, 172-174  
—See also Seizures, Temporal lobe epilepsy
- Consciousness awareness** and, recognizing a mother's voice, 124-126  
—See also Cognitive function, Dementia, Memory
- Contingent negative variation** and, psychiatry, 25, 28
- Corpus callosum** and, Marchiafava-Bignami disease, 207-212
- Cortical connections** and, depression, deep brain stimulation, 105-115  
—electroclinical mapping data, 132-136  
—spatial-temporal current source correlates, 35-48
- Creutzfeldt-Jacob disease** and, hyperparathyroidism, status epilepticus, 203-206
- CT** and, postoperative temporal lobe epilepsy, 132-137
- Deep brain stimulation** and, depression, 105-115  
—See also Cortical connections
- Delta activity** and, QEEG prognostic value in acute stroke, 155-160  
—See also Slow activity
- Dementia** and, Creutzfeldt-Jacob disease, 203-206

- ERP studies of memory and language, 8-17
- See also Alzheimer disease, Memory
- Depression** and, antidepressant response, 74-77, 78-81, 82-88, 116-123
  - deep brain stimulation, 105-115
  - ERP, 25-34
  - hand-motor dysfunction, pharmacological effects, 82-88
  - multimodality imaging, 175-179
  - See also Psychiatry
- Depth recording** and, electrodes, gender specific processing of eye contact, 143-147
  - transcranial deep brain stimulation, depression, 105-115
  - transforming electrocortical mapping data into standard common space, 132-136
  - See also Surgery
- Diagnostic tests** and, Psychiatry, four-step approach, 62-65
  - See also CT, EEG, ERP, MRI, SPECT
- Dipole source model** and, triphasic waves, 161-167
- Disconnection syndrome** and, Marchiafava-Bignami disease, 207-212
- Drugs** and, antidepressants, 74-77, 78-81, 82-88, 119-121
  - antiepileptics, 116-123, 175-179, 203-206
  - cannabis, no. 3: V-VII
  - ecstasy, 29
  - See also Psychiatry, Seizures
- Ecstasy (MDMA)** and, LDAEP, 29
- Electroconvulsive therapy** and, depression, 105, 106, 109, 112
- Electrocortical mapping** and, transforming data into standardized common space, 132-136
- Electrodes** and, subdural grid, transforming mapping data into standardized common space, 132-136
  - temporal lobe, processing of eye contact, 143-147
  - See also Surgery
- Electroencephalography (EEG, QEEG)** and, Alzheimer disease, 55-56
  - amnesia to dementia, memory, 8-10
  - antidepressive medication, theta band, 78-81
  - anxiety, alcoholism, 92
  - cannabis use, no. 3: V-VII
  - Creutzfeldt-Jacob disease, 203-206
  - face perception, 49-54
  - frontal midline theta, 193-202
  - gamma activity, schizophrenia, 96-104
  - gender specific processing of eye contact, temporal lobe, 143-146
  - juvenile myoclonic epilepsy, 127-131
  - Marchiafava-Bignami disease, 207-212
  - monoaminergic systems, 66-73
  - multimodality imaging, seizures, violence, depression, 175-179
  - paraneoplastic limbic encephalitis, 172-174
  - persistent vegetative state, 124-127
  - postoperative TLE, prognostic significance, 137-142
  - psychiatric tests, 26, 64
  - sleep apnea, 148-154
  - spatial-temporal current source correlation, 35-48
  - stroke, 155-160
  - stupor, NCSE, 57-60
  - temporal lobe epilepsy, 12, 18-24, 132-136, 137-142, 143-146, 168-171, 175-179
  - triphasic waves, 161-167
- Encephalitis** and, paraneoplastic limbic, complex partial status epilepticus, 172-174
- Epilepsy**, See Seizures
- Evoked potentials (EP, ERP)** and, depression, clinical response to antidepressants, 74-77
  - eye contact, gender specific processing medial temporal lobe, 143-147
  - frontal midline theta desynchronization, 193-202
  - human face perception, 49-54
  - memory, electrophysiology, 1-34
  - psychiatry, neurophysiological aspects, 25-34, 66-73, 74-77, 89-95, 96-104
  - spatial temporal current source correlation, 35-48
  - temporal lobe epilepsy, P300, 168-171
- Eye contact** and, gender specific processing, medial temporal lobe, 143-147
- Face perception** and, visual completion processing, 49-54
- Frontal location** and, memory, aging brain, 2-7
  - Marchiafava-Bignami disease, 207-212
  - midline theta rhythm, ER desynchronization, 193-202
  - nCPAP treatment obstructive sleep apnea, slow wave sleep, 148-154
  - spatial-temporal current source correlation, 35-48
  - triphasic waves, current density, 161-157
- Functional connectivity** and, schizophrenia, gamma activity, event related coherence, 96-104
  - See also Cortical connections
- GABA** and, electroconvulsive therapy in depression, 106
- Gamma activity** and, persistent vegetative state, recognizing a mother's voice, 124-126
  - schizophrenia, ER coherence, 96-104
  - spatial-temporal current source correlation, 35-48
  - tryptophan depletion, 67
- Gaze processing** and, medial temporal lobe, gender specific eye contact, 143-147
- Generalized tonic-clonic seizures** and, Creutzfeldt-Jacob disease, hyperparathyroidism, 203-206
  - multimodality mapping, depression, 175-179
  - postoperative EEGs prognostic significance, 137-142
  - See also Seizures
- Goiter** and, hyperparathyroidism, Creutzfeldt-Jacob disease, status epilepticus, 203-206

- Go/no-go paradigm** and, anxiety and alcohol dependence, electrophysiological correlation, 89-95
- Hand-motor dysfunction** and, depression, pharmacological effects, 82-88
- Head-down therapy** and, ischemic basis of Alzheimer disease, 55-56
- Hemispheric differences** and, source correlation, 35-48
- Hippocampus** and, depth recordings, word repetition, 12  
—5-HT activity, 68  
—temporal lobe epilepsy, sclerosis, 168-171  
—theta rhythm, ER desynchronization, 193, 194, 199  
—visual memory deficits, 18-24
- Hypercalcemia** and, Creutzfeldt-Jacob disease, status epilepticus, 203-206
- Hyperparathyroidism** and, Creutzfeldt-Jacob disease, status epilepticus, 203-206
- Imaging** and, electrocortical mapping, 132-136  
—See also CT, MRI
- Isoflurane anesthesia** and, Creutzfeldt-Jacob disease, status epilepticus, 203-206
- Juvenile myoclonic epilepsy** and, reduced axon number, 127-131
- Kinematic analysis** and, hand-motor dysfunction in depression, 82-88
- Lamotrigine** and, mood stability, 116, 119-121
- Linguistic processing** and, persistent vegetative state, 124-126  
—ERP studies, 8-17  
—See also Semantic selection
- Lithium** and, EP in depression, 30  
—Creutzfeldt-Jacob disease, 203-206  
—mood stability, 117
- Loudness Dependence Auditory Evoked Potential (LDAEP)** and, depression, clinical response to antidepressants, 74-77  
—depression, serotonergic drugs, 80  
—depression, source analysis, 68, 69  
—ERP in psychiatry, 25-34
- Low Resolution Electromagnetic Tomography (LORETA)** and, antidepressant medication, theta band, 78-81  
—depressed patient with violent behavior, temporal lobe seizures, 175-179  
—spatial-temporal current source correlations, 35-48  
—triphasic waves source localization, 161-167
- Magnetic seizure therapy** and, depression 108, 109
- Magnetoencephalography (MEG)** and, LDAEP, tryptophan depletion test, 68, 69  
—theta rhythm, ER desynchronization, 193-202
- Marchiafava-Bignami disease** and, EEG coherence, 207-212
- Memory** and, electrophysiology, clinical studies, 1-34  
—ER desynchronization, frontal midline theta, 193-202  
—Marchiafava-Bignami disease, 207-212  
—See also Alzheimer disease, Dementia, ERP
- Mismatch negativity** and, AEP magnetoencephalographic fields, 68-69  
—neuropsychological impairment, 28-29
- Monoaminergic systems** and, psychiatry, neurophysiological aspects, 66-73
- Mood stabilizers** and, antiepileptic drugs, 116-123  
—See also Psychiatry
- Motor neuron** and, juvenile myoclonic epilepsy, axon number estimation, 127-131
- MRI** and, Creutzfeldt-Jacob disease, 203-206  
—depression, violent behavior, seizures, 175-179  
—Marchiafava-Bignami disease, 207-212  
—paraneoplastic limbic encephalitis, seizures, 172-174  
—temporal lobe epilepsy surgery, 137-142  
—triphasic waves source localization, 163, 166
- Multimodality imaging** and, depressed patient, violent behavior, temporal lobe seizures, 175-179
- N1, N2, N400** and, current source correlations and cortical connectivity, 35-48  
—ER desynchronization frontal midline theta, 193-202  
—memory, 8-17  
—response inhibition in anxiety and alcoholism, 89-95  
—visual completion processing, 49-54  
—See also Evoked Potentials
- nCPAP** and, obstructive sleep apnea, prefrontal slow wave sleep, 148-155
- Neurosurgery**, See Surgery
- Nonconvulsive status epilepticus**, See Status epilepticus
- Noradrenergic systems** and, depression, 74-77
- Occipital location** and, human face perception, 51-53  
—spatial-temporal current source correlations, cortical connectivity, 35-48
- Olanzapine** and, acute mania, treatment, 118, 119
- P3, P300, P50, P600** and, current source correlates and cortical connectivity, 35-48  
—ER desynchronization frontal midline theta, 193-202  
—memory, 12, 8-17  
—psychiatry, 25-34  
—response inhibition, anxiety, alcoholism, 89-95  
—schizophrenia, 101  
—temporal lobe epilepsy, 168-171  
—See also Evoked potentials
- Paraneoplastic limbic encephalitis** and, complex partial status epilepticus, 172-174
- Parietal location** and, spatial-temporal current source correlations, cortical connectivity, 35-48
- Parkinson's disease** and, deep brain stimulation, 110
- Periodic synchronous discharges** and, Creutzfeldt-Jacob disease, 203-206
- Persistent vegetative state** and, recognizing a mother's voice, 124-126

**Phenylamine/tyrosine** and, monoaminergic depletion tests, 66-73

**Polysomnography** and, nCPAP treatment obstructive sleep apnea, 148-154

—tryptophan depletion test, monoaminergic systems, 66-68

**Prion disease** and, Creutzfeldt-Jacob disease, 203-206

**Psychiatry** and, affective dysregulation neurophysiological aspects, 61-123

—ERP, 25-34, 96-104

—See also Depression, Drugs, Schizophrenia

**Reboxetine** and, antidepressive medication, 78-81

—hand-motor dysfunction, depression, 82-88

**Renal encephalopathy** and, triphasic waves source localization, 161-164

**Schizophrenia** and, ERP, 26-29

—frontal midline theta, 200

—gamma activity, ERP related coherence, 96-104

**Sclerosis** and, mesial temporal postoperative EEGs, 139

—temporal lobe epilepsy P300, 168-171

—temporal lobe epilepsy surgery, 140-142

**Seizures** and, antiepileptic drugs, mood stability, 116-123

—corpus callosum, 207-212

—Creutzfeldt-Jacob disease, 203-206

—depression, deep brain stimulation, 105-115

—EEG coherence, 207, 210, 211

—electrocortical mapping, TLE, 143-146

—eye contact, TLE, 143-146

—juvenile myoclonic epilepsy, 127-131

—memory and language, TLE, 12

—multimodal imaging, TLE, 175-179

—paraneoplastic limbic encephalitis, 172-174

—postoperative prognosis, TLE, 137-142

—P300 temporal lobe epilepsy, TLE, 168-171

—stupor intraventricular hemorrhage, 57-60

—visual memory deficits, TLE, 18-24

**Semantic selection** and, aging brain memory, 2-7

—ERP, memory and language, 8-17

—linguistic processing, persistent vegetative state, 124-126

**Sensory gating** and, ERP in schizophrenia, 29

**Serotonin** and, depression, 74-77

—LDAEP, 29, 30

—monoaminergic systems, 66-73

**Sharp waves**, See Spikes

**Sleep** and, depression, 105

—monoaminergic systems, 66-68

—nCPAP treatment sleep apnea, 148-154

—tryptophan depletion test, 66-68

**Sleep apnea** and, nCPAP treatment, slow wave sleep, 148-154

**Slow activity** and, Alzheimer disease, 55-56

—antidepressants, ACC theta band 78-81

—Creutzfeldt-Jacob disease, 203-206

—depression, violence, seizures, 175-179

—EP desynchronization, theta, 193-202

—sleep prefrontal slow waves, sleep apnea, 148-154

—spatial-temporal source correlations 35-48

—stroke, 155-160

—triphasic waves, 161-167

—tryptophan depletion, 66-67

**Source correlation** and, aging brain memory, 2-7

—spatial-temporal cortical connectivity, 35-48

—triphasic waves, pathophysiological mechanisms, 161-163

**Special issues**, affective dysregulation in neuropsychiatric disorders, 61-123

—electrophysiology of memory: section II: Clinical Studies, 1-34

**SPECT** and, cannabis use, no. 3: V-VII

—Marchiafava-Bignami disease, 207-212

—temporal lobe seizures, depression, violence, multimodal imaging, 175-179

**Spikes, sharp waves** and, juvenile myoclonic seizures, 127-131

—nonconvulsive status epilepticus, 57-60

—status epilepticus, Creutzfeldt-Jacob disease, 203-206

—status epilepticus paraneoplastic limbic encephalitis, 172-174

—temporal lobe epilepsy multimodal imaging, 175-179

—temporal lobe epilepsy postoperative prognosis, 137-142

**Startle response** and, acoustic response, monoaminergic systems, 69

**Status epilepticus** and, complex partial seizures, paraneoplastic limbic encephalitis, 172-174

—Creutzfeldt-Jacob disease, 203-206

—nonconvulsive, stupor and intraventricular hemorrhage, 57-60

—triphasic waves, 162

**Stroke** and, acute ischemic QEEG prognostic value, 155-160

—See also Vascular disorders

**Stupor** and, NCSE and intraventricular hemorrhage, 57-60

**Subacute spongiform encephalopathy** and, Creutzfeldt-Jacob disease, 203-206

**Subdural grid electrodes** and, electrocortical mapping, 132-136

**Suicide** and, multimodality imaging, depression, violence, seizures, 175-179

**Surgery**, and, deep brain stimulation, depression, 105-115

—electroclinical mapping data, 132-136

—temporal lobe epilepsy postoperative EEGs significance, 137-142

**Talairach atlas** and, electrocortical mapping, 132-136

**Tardive dyskinesia** and, deep brain stimulation, 111

**Temporal intermittent rhythmic delta activity (TIRDA)** and, postoperative temporal lobe epilepsy, 139-141



**Temporal lobe epilepsy (TLE)** and, memory and language, 12, 18-24

—multimodal imaging, 175-179

—postoperative, 137-142

—processing gender specific eye contact, 143-146

—P300, 168-171

—transforming electrocortical mapping data, 132-136

**Theta activity** and, antidepressive medication, 78-81

—ER desynchronization, preconscious auditory oddball processing, 193-202

—tryptophan depletion, 66-67

—See also Slow activity

**Thyroid disorder** and, Creutzfeldt-Jacob disease, status epilepticus, 203-206

**Transcranial magnetic stimulation (TMS)** and, depression, 106-108, 112

**Traumatic brain injury** and, depression, violence, seizures, 175-179

**Triphasic waves** and, source localization, pathophysiological mechanism, 161-167

**Tryptophan**, and, monoaminergic depletion test, 66-73

**Vagus nerve stimulation** and, mood stabilizer, depression, epilepsy, 109-112

**Valproate** and, mood stability, 116-121

—multimodality imaging, seizures, violence, depression, 175-179

—nonconvulsive status epilepticus, 57

—See also Drugs

**Variable resolution electrical tomography (VARETA)** and, persistent vegetative state, 124-126

**Vascular disorder** and, cerebral ischemia, Alzheimer disease, 55-56

—nonconvulsive status epilepticus, prolonged stupor, 57-60

—stroke, QEEG prognostic value, 155-160

**Vegetative state**, and, prolonged, recognizing a mothers' voice, 124-126

**Venlafaxine** and, depression, violence, seizures, 177, 178

**Video-EEG telemetry** and, complex partial status epilepticus, paraneoplastic limbic encephalitis, 172-174

**Videogame** and, ER desynchronization frontal midline theta rhythm, 193-202

**Violent behavior** and, multimodality imaging, 175-179

**Visual system** and, Creutzfeldt-Jacob disease, 203-206

—gaze processing medial temporal lobe, 143-147

—human face perception, 49-54

—temporal lobe epilepsy and memory, 18-24